

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

S-E-C-R-E-T

PROCESSING COPY 25X1

COUNTRY Czechoslovakia

REPORT

SUBJECT 1. CKD Sokolovo, National Enterprise,
in Prague-Vysocany
2. J.V. Stalin Works, National Enterprise,
in Martin

DATE DISTR. 8 JAN 1958

NO. PAGES 1

REQUIREMENT NO. RD

REFERENCES

DATE OF INFO.

PLACE & DATE ACQ

PLEASE ROUTE

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

1. [redacted] report dealing with the CKD Sokolovo, National Enterprise, in Prague-Vysocany and the J.V. Stalin Works, National Enterprise, in Martin. October 1953 in the case [redacted] 25X1
2. The information on the CKD Sokolovo plant includes information on the organization of the administration of the enterprise, a description of the various sections of the enterprise (including the special department which at that time produced T 34 tanks), a description and a layout sketch of the plant and various information on the plant including a description and a facsimile of the plant pass used for admission to the special department. 25X1
3. The information on the J.V. Stalin Works includes details on the organization of the plant, a description and plant layout sketch, security measures, etc. Production included the T-34 tank and S-4 tank parts; however, the plant could produce the entire S-4 tank. From January-June 1956 a total of 30 tanks was produced. The small number produced was attributed to the inadequate skill of the workers. The S-4 tank weighed about 60 tons and its main armament reportedly consisted of a 105-mm. gun. 25X1

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STATE	X	ARMY	X	NAVY	X	AIR	X	FBI		AEC									
(Note: Washington distribution indicated by "X"; Field distribution by "#")																			

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~~SECRET~~DATA ON CZECHOSLOVAK INDUSTRYI. CKD-Sokolovo, Prague~~SECRET~~

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General Remarks

Before the war, subject plant was a stock company bearing the names of its two largest shareholders: Kolben and Daniek. P

Initially Kolben produced steam boilers and Daniek assembled locomotives, while a third plant, subordinate to Kolben and Daniek, produced aircraft and automotive engines. These three plants were grouped into the Kombinat CKD-Sokolovo.

Since the combine was well known in the industrial world under this name, after the war the word Sokolovo was added to the initials. (Sokolovo is a place in Russia where the Czechs distinguished themselves in the fight against the Germans.)

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Location

In the 13th (8th until 1955) district of Prague. The plant borders in the north on Luzni Ulice, in the south on Ceskomoravska Ulice, in the east on Traktorova Ulice, and in the west on Telplarny Ulice.

Jurisdiction

Subject plant comes under the jurisdiction of the Ministry of Heavy Industry and of the Ministry of Defense.

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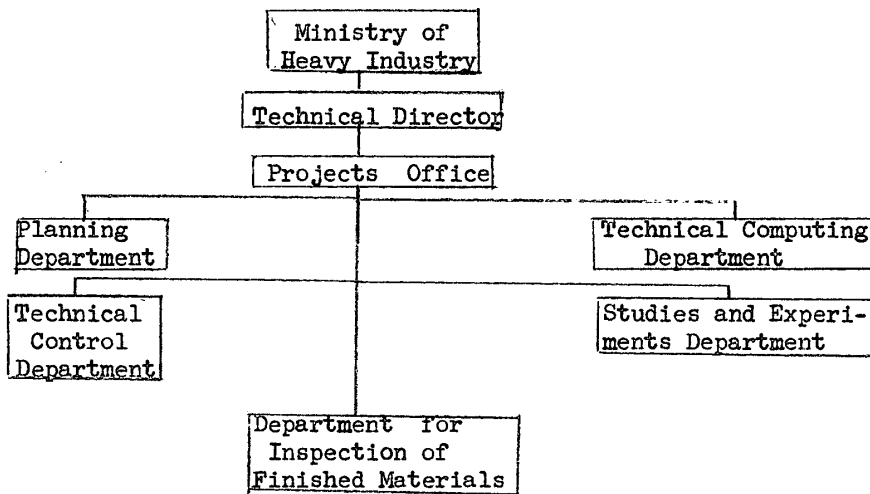
Management Personnel

Technical Director: Engineer Rektoris (esteemed and competent, but without influence).

Personnel Chief: ^{5Tasty} Shasni, chairman of the shop-steward committee (is the de facto plant manager).

Head of the special Department: Engineer Jelinek

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Organization

1st Sector: manufacture of parts (except wheels) for steam and diesel locomotives, assembly thereof.

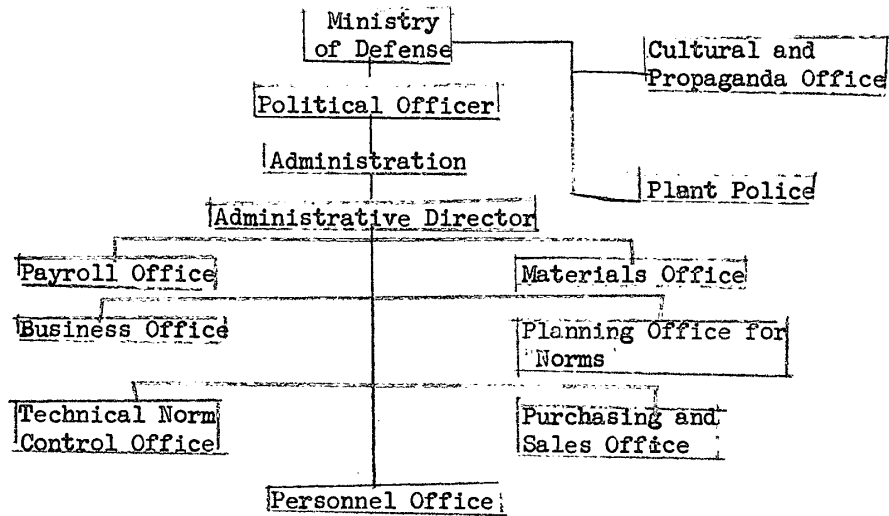
2d Sector: manufacture of compressors, Diesel engines, and heating plant boilers.

4th Sector: auxiliary department for manufacturing parts for the other four sectors (in addition to those produced by each sector).

5th Sector: forge and foundry, for smelting and processing metals.

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3d Sector: Special Department for manufacturing, assembling, and testing tank parts.

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1st Sector

This sector is housed in building No. 11 (See sketch No. 4). The sector director is Engineer Kabat, a rabid Communist; the head of the boiler department is one Douthace, a former stakhanovist.

This sector employs 1,200 persons, working in three shifts of 300-350 persons each, from 1400 to 2200, 2200 to 0600, and 0600 to 1400 hours, respectively. The sector nearly always fulfills its norm. It produces the following items:

a. Steam and diesel locomotives (complete except for wheels) for standard-, narrow-, and broad--gauge railroads. They are produced in series, alternating between periods of steam locomotive production. The norm is 4 locomotives per 2-week period. Some of these locomotive

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b. Ship propellers and protective nets.

c. Machinery and tools: large work benches for mechanics; electric and autogenous welding machines; milling cutters; drilling machines; and files. These items bear the "Wolman" and "Magdeburg" trade-marks.

2d Sector

This sector is housed in the building marked No. 10 in sketch No. 4. It employs about 500 persons and produces diesel engines, compressors, and heating plant boilers.

3d Sector

Name and Location: Specialni Odel (Special Department), housed in the buildings marked No. 6 in sketch No. 4.

Jurisdiction: while the other sectors are under the jurisdiction of the Ministry of Heavy Industry, this sector is subordinate to the Ministry of ^{National Defense} War.

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Management Personnel: director, Engineer Jelinek; business director (concerned with supplies), Engineer Moskovciak; technical director, Engineer Balko (concerned with estimates relating to materials, time, cost of individual parts, and wear and tear of machine tools), head of assembly unit, technician Francisek Kucera; foreign technicians, none.

Internal Organization: same as that of the plant, though on a proportionately smaller scale.

Number of Employees: 1,000, including very few women.

Work Shifts: assembly, inspection, and administrative departments, one shift; other departments, three shifts.

Production: T/34 tanks. [redacted]

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[redacted] The norm is 15 tanks per 45-day period. The features of these tanks are given in this report's section titled "Military Information" (Note: the blueprints used to come from the USSR.) The engines and cannon were made by Skoda, the wheels and tracks by [redacted] 5th Sector; all the other parts were made in the 3d Sector. The destination of these tanks is unknown [redacted]; however, their instrument panels bore Czech or Cyrillic markings, or no markings at all.

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Source of Raw Materials: ferrous material, from the Witkovice iron works; electrical material, from an unknown source; batteries and electrical instruments, from the PAL plant.

Source of Finished Products: the other sectors of [redacted] plant.

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Availability of Raw Materials: iron, in sufficient quantities; bronze and other metals, scarce. (Note: the filings of these latter metals must be collected.)

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4th Sector

This sector, called Pomo⁶ne Odeleni (Auxiliary Department), is housed in the building marked No. 4 in sketch No. 4.

Internal Organization: same as that of subject plant, though on a proportionately smaller scale.

Number of Workers and Work Shifts: 600, of whom 60 percent are women, working in three shifts.

Production: all small jobs [not] done in the other departments; parts for those departments which were unable to complete their work.

Machinery and Tools: milling cutters, drilling machines, mechanics' work benches, electric shearing machines, perforators, universal electric lathes, winding machines. All this machinery is of recent manufacture

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5th Sector

This sector, called forge and foundry, is housed in the building marked No. 11 in sketch No. 4. It smelts and processes metals.

It has the following machinery. 8 pneumatic hammers, 4 steam hammers, and 16 fuel oil-powered forges.

Description of Plant

The numerals listed below correspond to those appearing in sketch No. 4:

1. Main entrance.
2. Management: 4-story white building, 15X15 meters in size, with tile roof. The basement is used for storing arms and ammunition, which are issued to predesignated workers in case of emergency.
3. Tool storage: masonry building, 40X10X4 meters in size, with terraced roof.

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4. Auxiliary Department (4th Sector): sheet-metal shed, 40 X 40 X 8 meters in size, with vaulted roof.
5. Cart entrance.
6. Special Department (3d Sector): housed in three buildings:
 - a. Department for producing tank parts and bodies: 5-story building, 45 X 20 X 15 meters in size, with 2-gable roof.
 - b. Complete tank assembly department, equipped with a hoist of 30,000 kilograms capacity.
 - c. Tank and tank armament testing department, housed in a masonry building, 40 X 7 X 4 meters in size, with tile roof.
7. Motor vehicular entrance and tank exit.
8. Ramp for loading tanks directly onto railroad flatcars.
9. Storage facility for ferrous material for the entire plant: shed with overhead traveling cranes on rails.
- 9a. Demarcation line at entrance of the Special Department.
10. Manufacture of compressors, diesel engines, and heating plant boilers (2d Sector): masonry building, 60 X 40 X 8 meters in size.
11. Metal smelting (5th Sector): building about 30 X 20 X 8 meters in size, with two smokestacks 5 meters high, equipped with two furnaces (one for steel and one for iron).
12. Manufacture of locomotives and boilers (1st Sector): masonry shed, 70 X 25 X 8 meters in size, with double-gable roof.
 - 12 a. 1st Sector offices.
13. Drafting office, mess hall, kitchen, and cantine, housed in a building about 20 X 10 X 4 meters in size.

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14. Emergency heating plant and electric transformer station.
15. Rotating platforms for railroad cars.
16. Railroad sidings.

Electric Power Used

The plant uses 220-volt, 380-volt, and 600-volt electric current.

Vehicles

Four 8-ton Tatra trucks

Two Praga-RNO trucks

Two 5-ton Skoda trucks

One Skoda Tudor automobile

One Tatra Plan automobile

Two Skoda tractors (to provide traction for railroad cars within the plant area.

Fifty battery-operated dollies.

The plant's products are transported by truck and rail.

Layoffs.

None; on the contrary, additional hirings.

Wages

Master craftsman: 1,400 crowns per month.

Tank assemblyman: 1,200 crowns per month.

Typist: 500 to 700 crowns per month

Machinist: 900 to 1,000 crowns per month

Smith and foundryman: 1,600 to 1,800 crowns per month.

Technical draftsman: 900 to 1,000 crowns per month

Charwoman: 500 crowns per month

Guard: 1,100 crowns per month

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Withholdings

Ten percent for old-age and accident pension, and labor dues.

Mess

Quality of food: good but insufficient; price: 550 crowns per month, of which 30 percent is paid by the plant.

Surveillance

There are 50 guards, including 4 women; two are at the entrance. At night guard service is provided also along the plant's inner perimeter.

In addition, 200 workers are members of the Zavodni Milice (Plant Militia) and wear armbands bearing the monogram "ZM". These workers work the same as the others, but in case of emergency they are armed with light machine guns, pistols, and hand grenades.

The installation is illuminated at night.

Firefighting Equipment

The plant has two pumpers. Every building has hydrants, sand, extinguishers, etc.

Strikes

Never.

Sabotage

The blueprints of the T/34 tank were stolen in 1956^(?). The culprits were never discovered.

Worker Morale

The workers are dissatisfied, but lack of courage to speak.

Points of Easy Access

It is possible to penetrate by train as far as building No. 10 (see sketch No. 4) through the enclosed section of the plant. It is very difficult to enter the Special Department.

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1. Celluloid pink pass, 8 X 6 centimeters in size (for the 1st, 2d, 4th, and 5th Sector).
2. Green pass with white stripe (running from the upper right corner to the lower left one) for workers of the Special Department (3d Sector).

A pass facsimile follows:

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Passes are valid for 3 years. When a pass expires the holder must report to the plant even the minutest changes concerning himself and his family (e.g., change of address and ^{reason} reasons thereof, change of employment and reasons thereof, etc.).

Labor Union Meetings

One meeting every two months (attendance is not mandatory).

Workers' Political Leanings

About 35 percent of the workers are party members, most of them by necessity.

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Precautionary Measures

If a member of a worker's family commits a misdemeanor, the worker is placed under surveillance; if a serious crime, he is discharged. When under suspicion , a worker is assigned to relatively unimportant work.

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Restrictions

The workers are not allowed to go beyond their respective sectors.

II. CKD-SOKOLOVO, ZAVOD^T V. V. STALIN

(Turciansky Sv. Martin, June 1956)

General Remarks

Work on this plant, started in 1949, had not yet been completed by June 1956. It was then in its final phase.

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Location

Subject plant is located on the left bank of the Turiec^c River, 500 meters west of the town of Sv. Martin, 2 kilometers west of the Martinsky Hole mountains (elevation 1,300 meters).

The city of Zilina is located 22 kilometers to the northwest. The Vah River flows from east to west, 7 kilometers from the plant, and then turns southward and empties into the Danube.

Size

900 X 400 meters.

Jurisdiction

Subject plant comes under the jurisdiction of the Ministry of Defense.

Management Personnel

Director: Engineer Stekert. Other technicians : engineers Tuma, Agarsky, and Bacfa.

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~~SECRET~~Internal Organization

Identical with that of CKD-Sokolovo in Prague, except that the offices are in the same premises with the office of the director general and there is no arrangement by sector.

Number of Workers

4,000. The plant eventually is to employ 1,200⁰ workers.

Number of Work Shifts

Only one at present, from 0600 to 1400 hours. After the additional 8,000 workers are hired, there will be three shifts of 4,000 workers each.

Production

Production was started in 1955. The plant produces T/34 tanks and S-4 tank parts; moreover, it is capable of producing this latter type of tank in its entirety.

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During six months the plant produced 30 tanks. This small number is attributed to the inadequate skill of the workers.

The T/34 tanks produced at subject plant are described in the section of this report titled "Military Information". The S-4 weighs about 60 tons. The main armament reportedly consists of a 105-mm gun.

The manufacturing cycle is as follows: the ferrous material is smelted and the various parts are produced at subject plant; the armor plates come from "Podbrezoveske Zeleziarni" in Podbrezova, 80 Kilometers from the Czechoslovak-Hungarian border.

Destination of Production

Unknown . However, the tank instrument panels bore Czech or cyrillic markings, or no markings at all.

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Source of Raw Materials

The Podbrezova Zeleziarni foundry in Podbrezova.

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Availability of Raw Materials

Raw materials are plentiful because production is very limited.

Description of Plant

The numerals below refer to those appearing in sketch No. 5.

1. Main entrance.
2. Gatekeeper's quarters.
3. Management, various offices, industrial police, telephone switchboard, infirmary with 30 beds: 5-story masonry building, 130 x 50 x 16 meters in size, with terraced concrete roof.
4. Mess hall and kitchens: masonry building, 30 x 10 x 5 meters in size, with terraced roof.
5. T/34 assembly room, where no assembly work is being done as yet, but manufacture of S-4 parts was begun in June 1956: masonry building, 70 x 70 x 8 meters in size, with terraced roof.
6. Department for tank tracks, wheels, and chassis, and 85-mm guns: masonry building, 70 x 50 x 10 meters in size, equipped with 6 traveling cranes on rails.
7. Department for seats, radiators, and differentials: masonry building, 70 x 70 x 10 meters in size, with terraced roof.
8. Department for production of diesel 12-cylinder V-engines for T/34 and S-4 tanks: masonry building, 60 x 60 x 8 meters in size, with terraced roof.
9. Foundry, with 3 electric furnaces (2 for iron and one for other metals) and 2 smokestacks 10 meters high: masonry building, 70 x 70 x 10 meters in size, with terraced roof, equipped with 6 traveling cranes on rails.
10. Technical office and model construction department: masonry building, 30 x 20 x 6 meters in size, with terraced roof.
11. Smiths department: masonry building, 70 x 30 x 6 meters in size.

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12. Storage rooms for tools and finished parts (radiators, seats, differentials): masonry building, 50 x 30 x 4 meters in size.
13. Wooden guard towers, 10 meters high, each equipped with a searchlight.
14. Secondary exits.
15. Industrial police office and quarters: masonry building, 20 x 6 x 4 meters in size.
16. Ferrous material storage.
17. Artillery and armored force barracks.

Machinery Installed

- ~~Soviet~~ ^{machines, Swiss} "TOS" and "MAS" precision instruments and Soviet milling cutters.

All this machinery is new.

- Cranes (mostly traveling cranes on rails) in buildings 5, 6, 7, 8, 9, and 11. Buildings 6 and 9 have 6 cranes each.

Electric Power Supply

The plant's electric power supply comes from the hydroelectric power plant located on the Vah River, between Trencin and Zilina, 30 kilometers south of this latter city.

Vehicles

Four 8-ton Tatra 111 trucks

Three 5-ton Skoda trucks

Two Tatra ~~plan~~ automobiles

Note: the plant also has a twin-engine, six-seater Aero-45 airplane, which is for the exclusive use of the plant director and makes use of a small airfield located in the plant's immediate vicinity (see No. 2 in sketch No. 3).

Transportation of Plant's Products

By rail.

Wages, Withholdings, Mess

See section on report on CKD-Sokolovo, Prague.

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Surveillance

There are 120 industrial policemen, armed with submachine guns and pistols.

Guards are stationed as follows:

- 3 policemen (one per post) on the guard towers.
- 3 policemen (one per post) at the base of the guard towers.
- 5 policemen accompanied by dogs at the inner gate (between the sheds and the buildings)
- 16 policemen along the plant's inner perimeter.

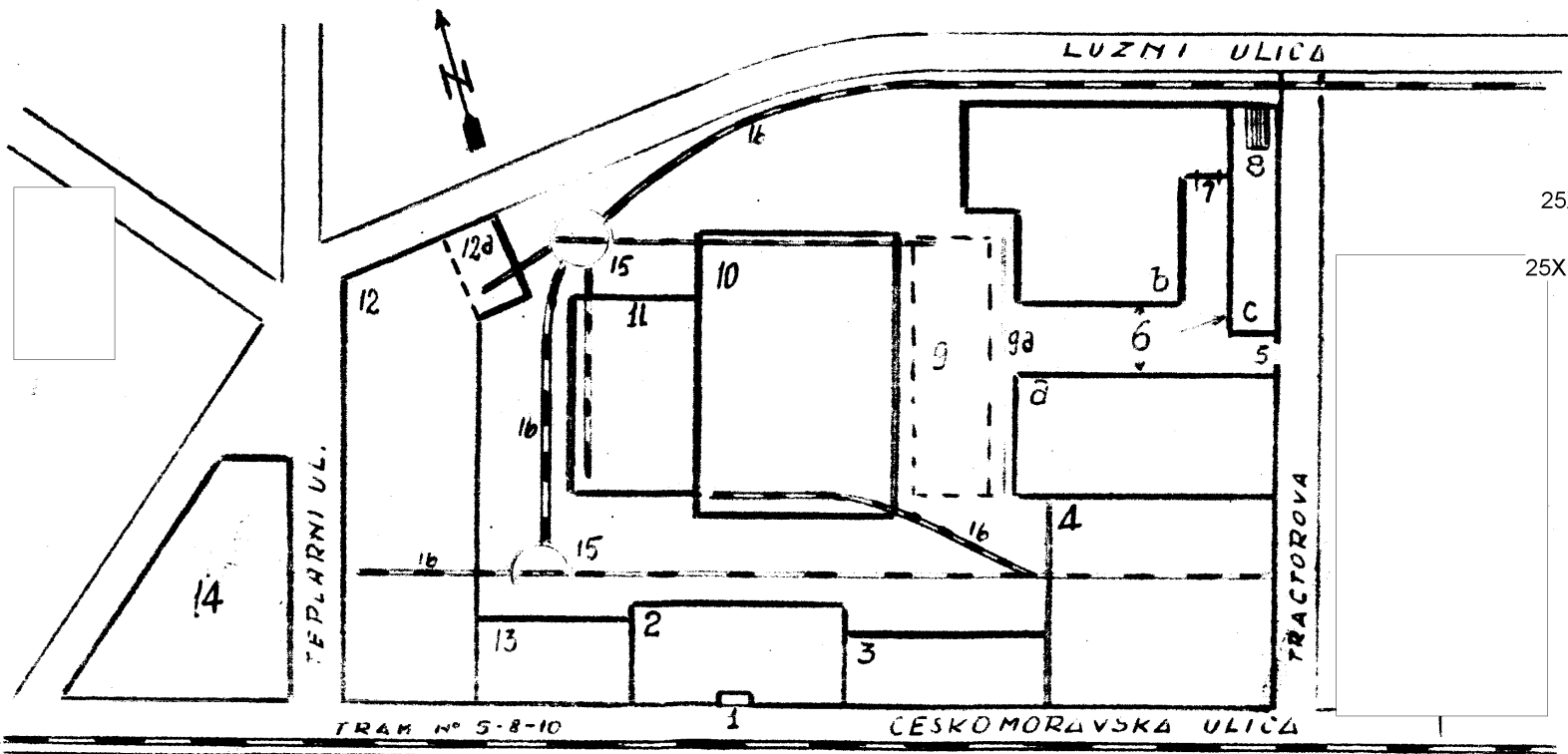
Firefighting Service

Not organized as yet.

Plant Enclosure

Wire fence, 3 meters high, supported by concrete posts.

— STABILIMENTO C.K.D. SOKOLOVO PRAGA —

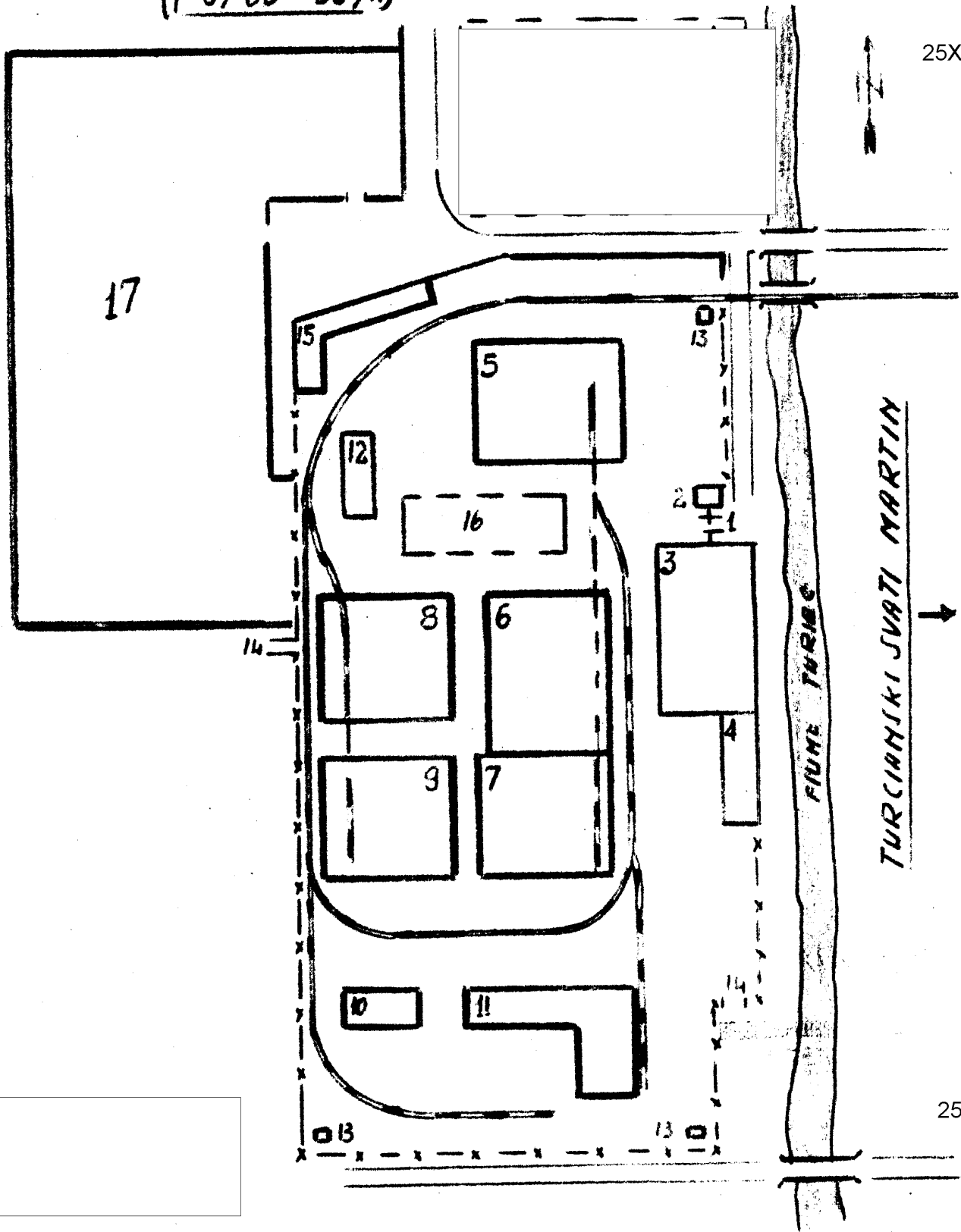


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— STABILIMENTO Č. K. D. SOKOLOVO ZAVOD V. STALIN —

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